DATA SHEET

Managed Layer 2 + Switch

MIL-S3570: Managed Standalone Layer 2+ Switch

MiLAN's MIL-S3570 Layer 2+ managed switch provides dedicated bandwidth to workgroups by delivering twenty-four 10/100 Mbps auto-sensing ports with two optional Gigabit Ethernet fiber ports. The MIL-S3570 features wire speed switching, VLAN support and tagging, port trunking, port mirroring and software routing.

The MIL-S3570 is designed with a non-blocking switching fabric for resolving congestion problems caused by bandwidth-hungry devices, bandwidth-intensive applications, or a high number of segment users. High preformance is obtained with very low latency through single store-and-forward process at the data entry port and cut-through forwarding at the destination port.

Management of the MIL-S3570 is easy with the console port providing local management while Web-based management is provided via any network device.

Gigabit Ethernet ports provide high speed connectivity links to other switches and servers and provide data at wire speed to backbone networks. This layer 2+ switch offers connecting VLANs with routing without the extra expense of buy ing a separate router.

Features and Benefits

· Low latency with store and forward at entry port and cut-through at destination port
· 24 10/100 Mbps autosensing Fast Ethernet ports
· 2 optional 1000BASE-SX ports give high-speed connectivity to servers and backbone
· Port trunking and load sharing for high bandwidth links between switches
· On-chip address lookup and memory for up to 12K MAC addresses
· Aging control for secure MAC addresses
· VLAN tagged Insertion/Extraction -802.1q
· Supports IP Multicasting through IGMP snooping
· Weighted fair queuing based packet scheduling
· Full duplex Ethernet IEEE802.3x flow control minimizes congestion on ports
· Supports back-pressure flow control for half duplex mode
· Flooding and broadcasting control
· Software Routing -RIP, RIP2, DHCP relay, ICMP router discovery message
· Port mirroring gives network administrators a simple and efficient way to view network problems
· Spanning Tree provides redundant paths as well as preventing network loops
· VLAN limit broadcasts and group users by function rather than location

MiLAN TECHNOLOGY
A Division of Digi International

LED Indicators

- Power for system
- For each port Link/Act, Speed and Duplex/Collision

Ports

- 24 RJ-45 10/100BASE-TX ports
  (IEEE 802.3 Type 10BASE-T; 802.3u 100BASE-TX)
- 2 optional 1000BASE-FX ports SC or MT-RJ for Gigabit uplink module
- Console port RS-232 with a 9-pin D-sub connector

1000BASE SX optional uplinks

- Fiber mode: Mulimode
- Wavelength 850nm
- Connector types SC and MT_RJ
- Fiber Cable 62.5/125mm
- Maximum length 220 m or 500m using 50/125mm cable

Management

- Console RS232 port for local management
- Web-based management
- 802.1D Bridging
- 802.1d Spanning Tree
- 802.1P/Q GARP/GVRP
- SNMP Management
  - SNMP agent RFC 1155-1157
  - MIB II
  - VLAN MIB
  - Bridge MIB
  - IGMP MIB
  - Private MiLAN MIB
  - RMON MIB (RFC 1757) - static, history alarm, events
- IP Multicast
- GMP Snooping
- IP Multicast filtering
- TFTP software upgrade

Filtering

- Supports packet filtering and port security
- System wide filtering
- Static MAC destination and source address filtering
- VLAN for multicast/broadcast filtering
- Local port filtering

Standards

- **Functional Standards:**
  - IEEE 802.3 10BASE-T,
  - IEEE 803.3u100BASE-TX
  - IEEE 802.3z 1000BASE-X
  - IEEE 802.1d Spanning Tree
  - IEEE 802.1P/Q-GARP/GVAP
  - IEEE 802.3x Full duplex flow control
  - IEEE 802.3ad Port trunking
  - IEEE 802.1P/Q GARP/GVRP
- **ISO Certification:**
  - ISO 9001

Features

- Software routing with RIP and RIP2
- 12,000 MAC address
- Backpressure flow control for half duplex mode
- Port trunking for up to 800Mbps pipe
- Internal switch database
- Wire speed packet filtering and forwarding

Environmental

- **Operating**
  Temperature 0 to 40C (32 to 104 F)
  Relative humidity 10% to 90% non-condensing
- **Non-operating/storage**
  Temperature -25 to 70C (-13 to 158 F)

Physical Characteristics

- **Dimensions** 440 mm x 245 mm x44.5 mm (17.32" W x 9.65" D x1.75" H)
- **Weight** Net Weight 8.6 lbs (3.9kg) Gross Weight 10.4 lbs (4.6kg)
- 19" Rack Mount EIA Stamdard

Power Characteristics

- Heat dissipation/hour 42 BTU/hr
- Maximum wattage: 65W
- Voltage: 110-230 VAC
- Frequency: 50/60 Hz

Standards Compliance

- Safety
  UL 1950;
  CSA C22.2 No.950
  EN60950
- Emissions
  FCC Class A;
  EN55022/CISPR 22 Class A
- Immunity
  CE Mark-EN61000-X

Ordering Information

Managed Layer 2+ Switch

MIL-S3570EU	24 port 10/100BASE-TX managed switch
MIL-S3570UK	24 port 10/100BASE-TX managed switch
MIL-S3570US	24 port 10/100BASE-TX managed switch
MIL-L3573SX	Gigabit uplink port- SC Connector
MIL-L3574SX	Gigabit uplink port – MT-RJ connector

© 2001 MiLAN Technology. All rights reserved.
MiLAN, MiLAN Technology and the MiLAN Technology logo are either the trademarks or registered trademarks of Digi International, Inc. in the U.S. and in other countries.
All other brand or product names are trademarks of their respective holders.

5 YEAR WARRANTY

MiLAN TECHNOLOGY
A Division of Digi International

Features/Specifications

MiLAN Technology 1299 Orleans Dr. Sunnyvale, CA 94089 F: 408.744.2809 PH: 1.800.GO.MiLAN (800.466.4526)
Customer Service and Technical Support North America PH: 408.744.2751 sun-tech@milan.com support@milan.com